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Department of Computer Science & Engineering
GIET University, Gunupur-765022, India



Special Session Title: Design Issues and Security vulnerabilities in Information Communication Technology

Organized by (Names, Affiliation, and Contact information):

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Call for Papers Theme: (100 words)

With the advent of Wireless technology and Internet of Things (IoT) networking, enormous amount of data is being generated which needs to be optimized using various learning and statistical algorithms. Security and privacy of data has been a major concern from decades. However, spontaneous growth of internet and the development of sophisticated methods have made this concern even serious. Information security is of utmost importance for every business as data is the most valuable commodity in today's world. Issues related to data security in wireless communication, IoT networking, infrastructure and private networks are severely critical in today's world and needs to be handled using robust and intelligent approach. This special session will not only focus on recent trends and developments at globally competitive environment but will also provide future directions to industry personnel's and researchers. It covers all aspects related to wireless communication, IoT networks, soft computing techniques and machine learning. This special session welcomes unpublished research articles from researchers in academia and industry such as students, engineers, research scholars and scientists.

Topics of interest include, but are not limited to:

1. Wireless Sensor Networks: Architecture, Security challenges and protocols

2. Artificial intelligence and applications
3. Big data analytics
4. Internet of Things (IoT) networking and communications
5. Bitcoin and Blockchain Technologies
6. 5G networks and security paradigms
7. Signal and Image processing
8. Security based Pattern recognition
9. Soft Computation techniques
10. Deep learning and its applications
11. Machine learning and its applications

Brief bio of SS Organizers

1. Bharat Bhushan, PhD(Submitted): BIT Mesra, Assistant Professor: HMRITM, Delhi.

Bharat Bhushan is an Assistant Professor of Computer Science and Engineering (CSE) at HMRITM, GGSIP university, New Delhi, India. Currently, he is also serving as a Managing Director, Gatevilla, Allahabad, U.P., India, and has submitted his PhD thesis titled “Enhancement of Energy Efficiency and Security in Wireless Sensor Networks” at the Birla institute of technology, Mesra, India. He received his Undergraduate (BTech) degree in CSE with Distinction in 2012 and received his Masters (MTech) degree in Information Security with Distinction in 2015 from Birla Institute of Technology, Mesra, India. He earned numerous international certifications such as Cisco Certified Network Associate, Cisco certified network professional Trained, Cisco Certified Entry Networking Technician, Microsoft Certified Technology Specialist, Microsoft certified IT Professional, Red-hat Certified Engineer. He has Published more than 74 papers in different national and international conferences and journals including wireless personal communications (Springer) and wireless networks (springer). He was selected as a reviewer/Editorial Board Member for several reputed international journals. He also served as a speaker, Session Chair or Co-chair at various National and International Conferences. In the past, he worked as a Network Engineer for HCL Infosystems Ltd. He has qualified for four GATE exams (GATE 2013, 2014, 2015, and 2016) and gained several years of experience in imparting quality education to students. He is a member of IEEE.

2. Nikhil Sharma, Assistant Professor: HMRITM, Delhi.

Nikhil Sharma is an Assistant Professor of Computer Science and Engineering (CSE) at HMRITM, GGSIP university, New Delhi, India. He worked as Assistant Professor in IEC Group of Institutions, Greater Noida. An alumnus of Ambedkar Institute of Advanced Communication Technologies and Research, Govt. of N.C.T. of Delhi received his undergraduate [BTECH ECE] in 2016 and received his Master's [MTECH Information Security] with distinction from Ambedkar Institute of Advanced Communication Technologies and Research, Govt. Of N.C.T. of Delhi in 2018. He has published many Research Papers, Articles and Book chapters in reputed International Journals and Conferences. He also acted as a Session chair in International Conferences (IEEE Conference held at Sharda University, Noida).

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